

Name: _____

Date: _____

Exponents Practice #3

Part One: Simplify each expression as completely as possible (no negative exponents or exponents or coefficients of one!).

1. $x^3y^6x^2y$	2. $(12xyz)^0$	3. $\frac{h^4}{v^{-9}}$
4. $(10a^4b^3c^{10})(2a^5bc)$	5. $(8rs)(8rs)$	6. $(a)(a)(a)$
7. $(6a^5bc^{-3})(9a^{-5}b^6c^5)$	8. $(5b)^{-1}$	9. $(x^4y^{-4}z^4)^0$

10. $(7x)(2x)$	11. $14^8 14^{-10} 14^{-4}$	12. $10^{10} 10^{-2} 10^{-8}$
13. $(-8x^5)(4x^{-9}y^2)$	14. $5^{-2}x^{-3}$	15. $5^{10} 5^{22} 7^8 7^{-13}$
16. $(12q^5r^{-3}s^{12})(-0.5q^6r^{-10}s^0)$	17. $\frac{2s^3t^{-6}r^{10}}{8s^{-1}t^6r^{-3}}$	18. $-y^6(-y^{12})$